

Fig.1 Natural brassinosteroids.

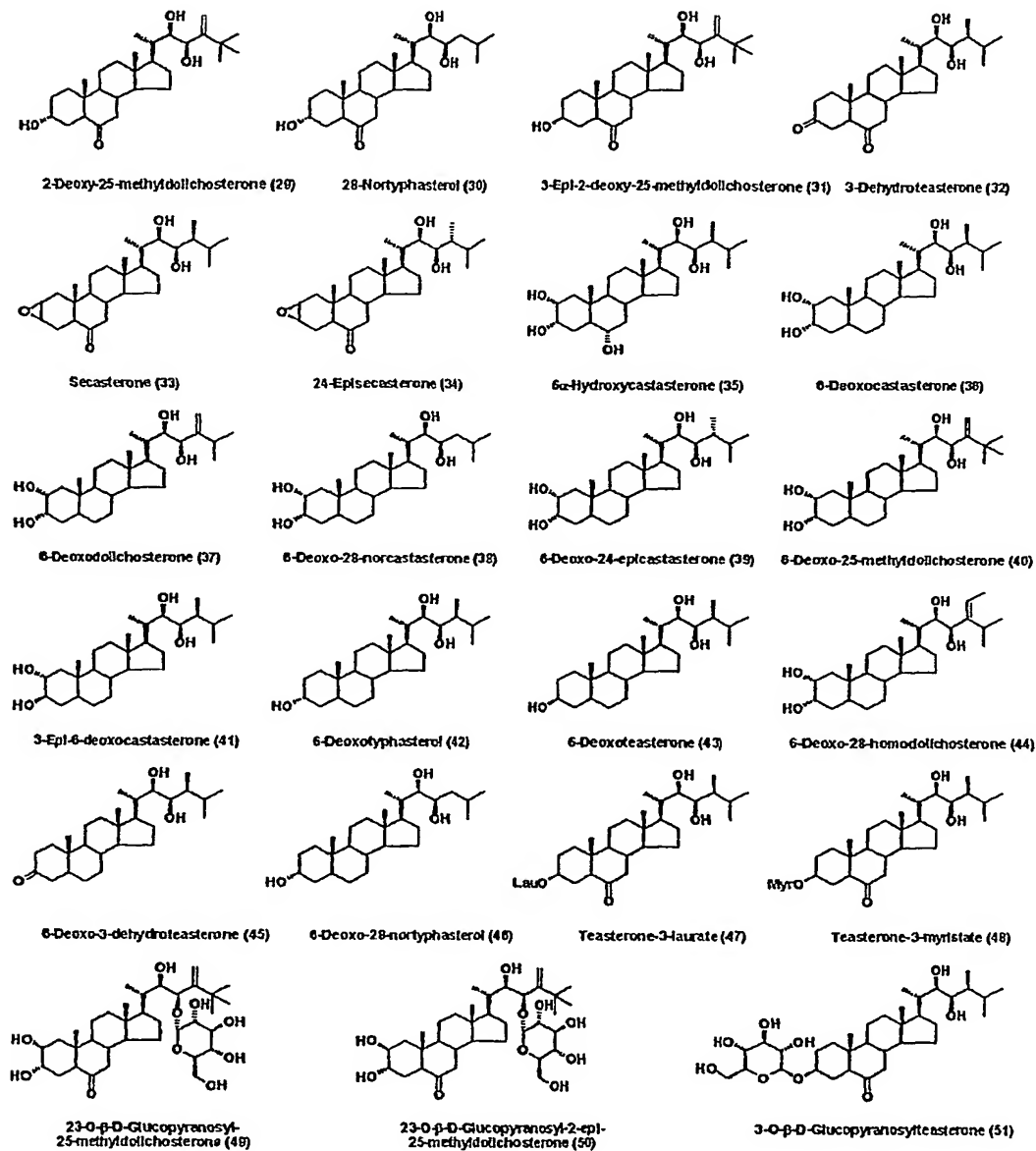


Fig. 2 Natural brassinosteroids (continued).

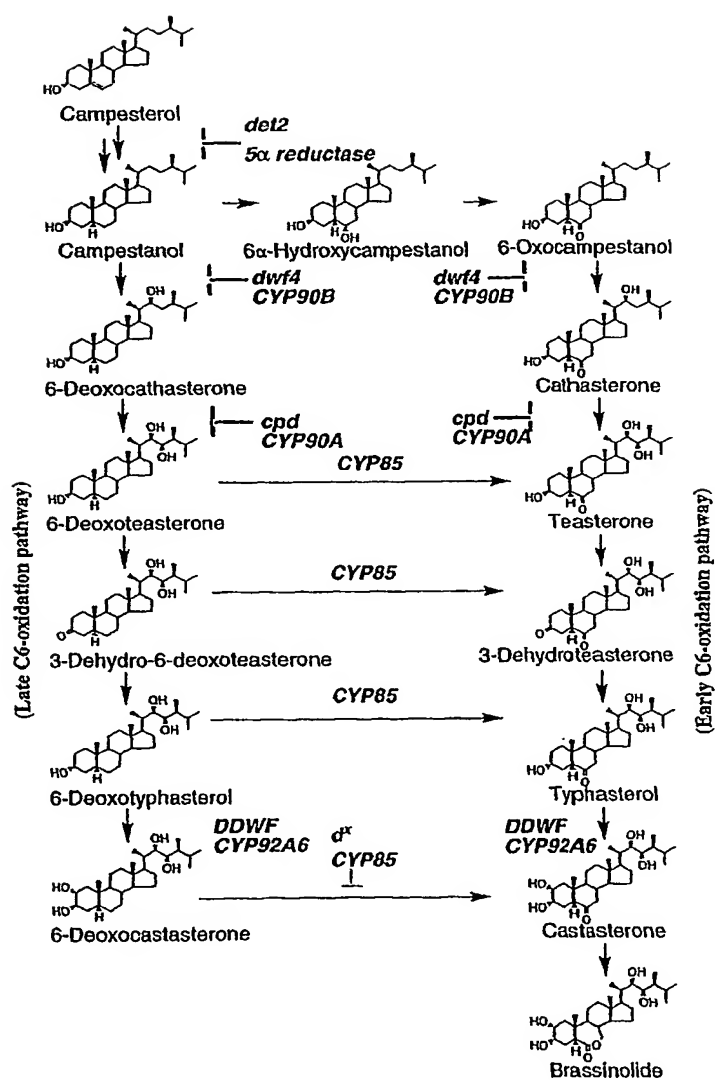


Fig. 3

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DOGT1      : MVSETKSSPL-----HEVLFPFMAQGHMIPMDIARLLAQKGVIIITVTPPHAAAREKNVLNRAIES-GLPINLVQVKFPYL: 77
Vigna_ADGT9 : MVLQTNVNP-----HEVLFPMAQGHMIPMDIARILAQGVIIITVTPPKNASRENSVISRAVSS-GLKIRLVQLNEPSK: 75
Nicotiana_TOGT1 : MG-----QL-----HFFFPVWAHGHMIPMDMAKLFASRGVKATIIITPNEFVESKAIQRN-KHLGIEIEIRLJKFPAV: 70
Nicotiana_Is5a : MG-----QL-----HFFFPVWAHGHMIPMDMAKLFASRGVKATIIITPNEFVESKAIQRN-KHLGIEIEIRLJKFPAV: 70
Oryza_AP002523 : MSSAGHAVDQQRKSTTMKAHEVLFPMAQGHMIPMTGMARLLAEHGAQVSEVTPVNAARMA-GFVTAVEAAGLAVQLVKLPEPAT: 85
Lycopersicon_Twil : HFFFPDQAQGHMIPMDMANVACRGVKATIIITPNEFVESKAIQRN-KHLGIEIEIRLJKFPAK: 66
Dorotheanthus_50GT : HGVFPFLAHGHMIPSLDIAKLFAARGVKTIITITPNAASMETKAIEKTRKNTETQMEIEVSEFPSE: 77

DOGT1      : EAGLQEQENIDSLDTERMIPPEKAVNLEEPVQKLIIEEMNRPSPCLISDFCLPPTTSKIAKKENIPKILFHGMGCECLLCMHVLR: 163
Vigna_ADGT9 : EAGLREGCENLDMVSNDSND-MSKIFQVIHMPQKPAEEFFQTLTPKPSCLISDFCIAATLQIAEKVHIIPRVSEHGFSCCLHCRYVIH: 160
Nicotiana_TOGT1 : ENGLPEECERLDQIPSDKLPNEFKAVAMMQEPLQELIEE--CRPDCLISDMFLPMTTDTAAKENIPRIVEHGTSTFFALCVENSVR: 154
Nicotiana_Is5a : ENGLPEECERLDQIPSDKLPNEFKAVAMMQEPLQELIEE--CRPDCLISDMFLPMTTDTAAKENIPRIVEHGTSTFFALCVENSVR: 154
Oryza_AP002523 : EFGLPDGCENLDMIQSRDLNRNEMACGALREPLTARLRQLCPPPSPCLISDMVQWMTGETARELGIPRLTDEGECTEASLARYIIF: 171
Lycopersicon_Twil : ENDLPEDCERLDLVPSDDKLPNELKAAAMMKDEFEEELIGE--CRPDCLVSDMFLPMTTDSAAKESIPRIVEHGTSTFFALCVGDTIR: 150
Dorotheanthus_50GT : EAGLPLGCENLEQAMAIGANNEPFTNANILKEQLENFLVK--TRPNCLVADMEFTMAADSTAKENIPTLVEHGFSEFQAQCAKEVMM: 161

DOGT1      : KNREILDNLKSDKELFTVPDFPDRVVEFTRTQVPPV-ETYVPAGDWKDI FDGMVEANETSYGVI VNSFOELEPAAYAKDY-KEVRSQKA: 247
Vigna_ADGT9 : TS-DFCRSITSESKYETIPGIPDKHQVTKQLPG-SLATDLDDFKD--QVRDAEKKSYGVI VNTWVGEICGEGESRRRLKNNKA: 241
Nicotiana_TOGT1 : LNKPF-KNVSSDSETFVVPDLPHENIKLTRTOVSPFFERSGEETAMTRMIKTVPRESDSKSYGVVFNSEYELETDVVEHYTKVL-GRRA: 238
Nicotiana_Is5a : LNKPF-KNVSSDSETFVVPDLPHENIKLTRTOVSPFFERSGEETAMTRMIKTVPRESDSKSYGVVFNSEYELETDVVEHYTKVL-GRRA: 238
Oryza_AP002523 : RDK-LLDNVA-DEELVTFSGFPMLELPKARC PG--SLCVPGMEQIRDKMYEEELQSDGNVMSFOELETLNIESEEQ-ITGKKV: 251
Lycopersicon_Twil : RNKPF-KNVSSDSETFVVPDLPHENIKLTRTOVSPFFERSGEETGMAMPIKAVRESDAKSYGVI FNSYELESDDVVEHYTKV-GRKN: 234
Dorotheanthus_50GT : RYKPY-KAVSSDTEVSLPFLPHEVKNVTRLOVPESMRKGEETHFTKRTERIRELERKSYGVI VNSYELEPDYADFLRKEL-GRRA: 245

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Fig.4

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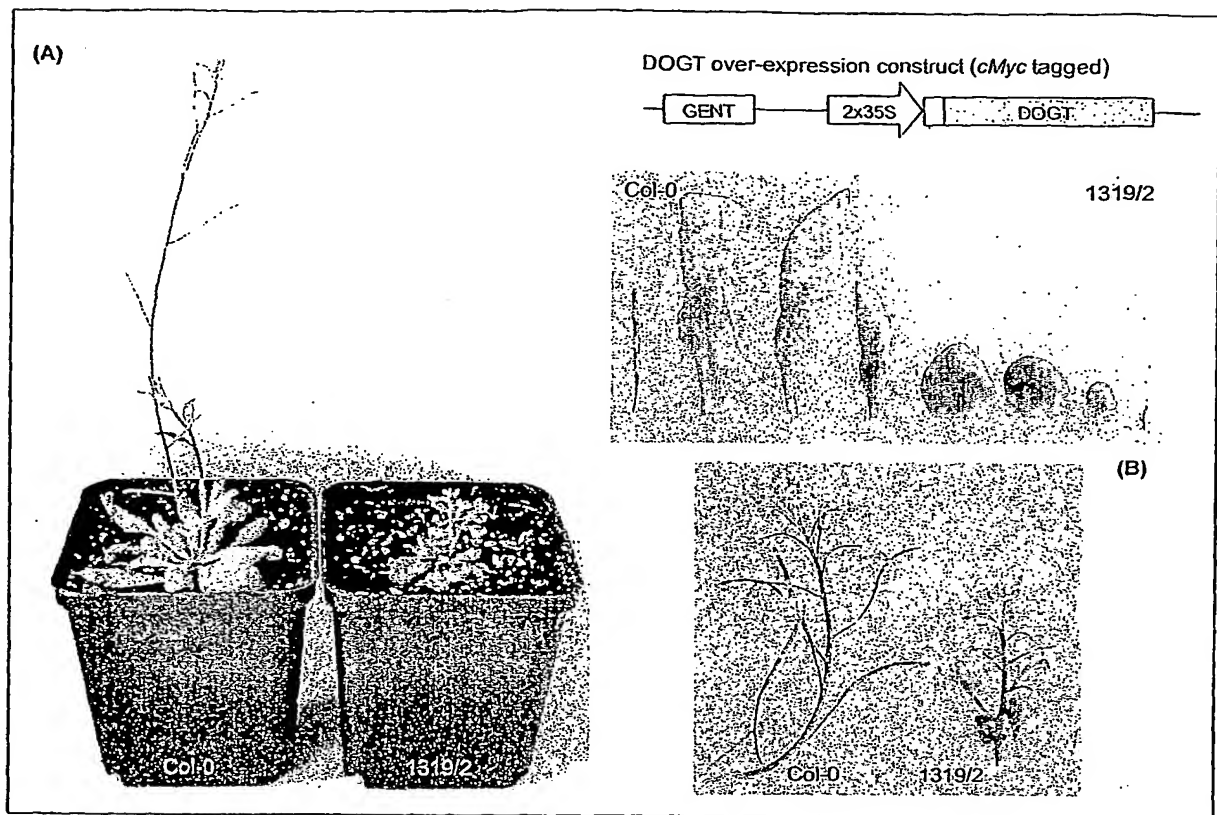


Fig. 5

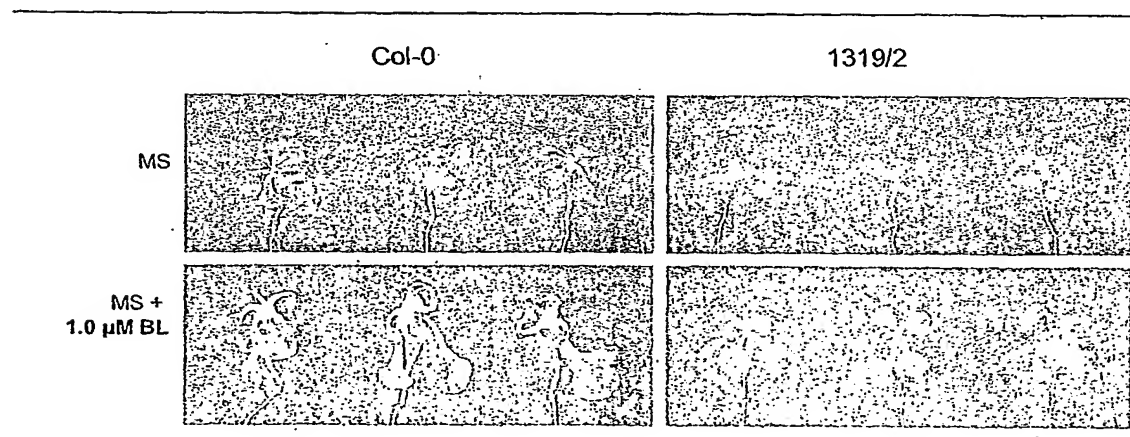


Fig. 6